

Title (en)

LIFTING PISTON FUEL PUMP AND METHOD FOR STARTING AND OPERATING A MOTOR VEHICLE HEATING SYSTEM

Title (de)

HUBKOLBENBRENNSTOFFPUMPE UND VERFAHREN ZUM STARTEN UND BETREIBEN EINER KRAFTFAHRZEUGHEIZUNG

Title (fr)

POMPE A CARBURANT A PISTON ALTERNATIF ET PROCEDE DE DEMARRAGE ET D'UTILISATION D'UN CHAUFFAGE DE VEHICULE

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Application

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Abstract (en)

[origin: US2008213106A1] The invention relates to a reciprocating piston fuel pump (16), in particular for an automotive heater (10) which is driven electromagnetically and is provided for delivering liquid fuel, having a damping element (34) comprising an elastomer (36) for damping pulsations created by the reciprocating piston fuel pump (16). According to this invention, means (22, 46, 48, 50) for heating the elastomer (36) are provided. The invention also relates to a method for starting and operating an automotive heater (10) that is operated with liquid fuel and has a burner (14) and a reciprocating piston fuel pump (16) with a damping element (34) comprising an elastomer (36) for damping pulsations created by the reciprocating piston fuel pump (16). According to this invention, the elastomer (36) is already heated before ignition of the burner (14).

IPC 8 full level

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